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1. A device for sorting of laundry pieces comprising
a recognition device (40) for recognizing of different types
of laundry pieces (12);
a plurality of collection devices for receiving the
different types of laundry pieces;
a transport device disposed within a reach of the
recognition device and disposed in a delivery relationship
to the plurality of collection devices (14, 16, 18) for
transferring the laundry pieces from the recognition device
(40) to the collection devices (14, 16, 18),
-- with the data processing plant (DVA 50) for processing of
the data signals (46) received from the recognition device
(40), such that predetermined collection devices (14, 16,
18) can be selected depending on the data signals (46) and
can be controlled for receiving laundry pieces coordinated
to the data signals (46), wherein
-- at least one register device (62, 64, 66, 68, 70) is
predisposed to the collection devices (14, 16, 18), for
registering of the laundry pieces (12) disposed in the
transport device (20, 60) and for generating a corresponding
registering signal (48),
-- the register signal (48) can be sent from the registering
device (62, 64, 66, 68, 70) to the data processing plant

(50),

-- the register signal (48) associated with a certain piece of laundry together with the data signal (46) corresponding to the certain piece of laundry is processed in the data processing plant (50) to a control signal (74),

-- the control signal (74) is employable for controlling a predetermined collection device (14, 16, 18) for receiving of the laundry piece corresponding to the control signal.

2. The device according to claim 1 wherein the transport device includes a transport band (60), wherein the collection devices (14, 16, 18) are disposed along the transport band (60) in transport direction (22).

3. The device according to claim 1 wherein in each case a blower device (52, 54, 56) is coordinated to the collection device (14, 16, 18), wherein the blower device (52, 54, 56) is connected with respect to control to the data processing plant (50), wherein a control signal (74) delivered by the data processing plant (50) directs the corresponding blower device (52, 54, 56) for generating of a stream of air, wherein this stream of air is directed against the transport

device (60) in the region of the laundry (12) disposed in the collection device area corresponding to this blower device, such that the laundry (12) can be blown into the collection container (14, 16, 18).

4. The device according to the claim 1 wherein each collection device (14, 16, 18) each case is furnished with a registering device (66, 68, 70).

5. The device according to claim 4 wherein the registering device (66, 68, 70) is predisposed and preswitched to the collection device (14, 16, 18).

6. The device according to claim 4 wherein the register device (66. 1, 68.1, 70.1,) is disposed behind the collection device (14, 16, 18).

7. The device according to claim 4 wherein the register device (66, 66.1, 68, 68.1, 70, 70.1,) is pre-disposed and post disposed to the collection device (14, 16, 18).

8. The device according to claim 1 wherein a supply device (20) is present for transporting of the laundry

pieces (12) to the recognition device (40).

9. The device according to claim 1 wherein at least one feed device (24, 26) of the supply device (20) is such predisposed that a predetermined number of laundry pieces (12) with a mutual distance not falling below a predetermined minimum value and/or a not lower time interval is transferable to the supply device (20).

10. The device according to claim 9 wherein the feed device (24, 26) includes a first transport band exhibiting at least individual compartments, wherein the contents of the first transport band can be emptied onto a transport band leading to the recognition device (40).

11. The device according to claim 9 wherein the feed device includes at least one funnel (24, 26), wherein the contents of the funnel (24, 26) can be emptied onto a transport band (20) leading to the recognition device (40).

12. The device according to claim 11 wherein the funnel (24, 26) is furnished with a flap floor (32), wherein the flap floor (32) can be such flipped open and flipped closed

that the laundry pieces (12) falling out of the funnel (24, 26) can be transferred to the recognition device (40) in each case with a mutual distance not falling below a predetermined minimum measure and/or a time interval not falling below a predetermined minimum measure.

13. The device according to claim 12 wherein the flap floor (32) is formed from several flap parts (28, 30).

14. The device according to claim 12 wherein several such funnels (24, 26) are present and disposed, wherein the flap floors (32) of all funnels (24, 26) can only jointly be flipped open and jointly be flipped closed.

15. The device according to claim 11 wherein the sensor device (34, 36) for recognition of a predetermined number or volume of laundry (12) is present within the funnel (24, 26).

16. The device according to claim 13 wherein a sensor device (34, 36) is present at each flap part (28, 30) for recognition of a predetermined number or volume of laundry (12) on each flap parts (28, 30).

17. A device for sorting of laundry pieces comprising
a transport device for transporting different types of
laundry pieces;
a first collection device for receiving a first type of
laundry pieces and disposed in a receiving relationship to
the transport device;
a second collection device for receiving a second type of
laundry pieces and disposed in a receiving relationship to
the transport device;
a recognition device disposed near the transport device such
that laundry pieces disposed on the transport device are
recognizable for the recognition device, wherein the
recognition device recognizes different types of laundry
pieces, and for transferring the first type of laundry
pieces from the recognition device to the first collection
device and for transferring the second type of laundry
pieces from the recognition device to the second collection
device and for generating a data signal;
a register device predisposed to the first collection device
and to the second collection device for registering of the
laundry pieces disposed in the transport device and for
generating a corresponding register signal;

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a data processing plant connected to the recognition device and to the register device and for receiving and then processing the data signals received from the recognition device and for receiving and then processing the register signal received from the registering device, wherein the register signal associated with a certain piece of laundry together with the data signal corresponding to the certain piece of laundry is processed in the data processing plant to a control signal;

control means connected to the data processing plant for receiving the control signal for selecting the first collection device or, respectively, the second recognition device depending on the control signal and for controlling that the first collection device receives first type laundry pieces and that the second collection device receives second type laundry pieces.

18. The device according to claim 17 wherein the transport device includes a transport band; wherein the collection devices are disposed along the transport band in transport direction; wherein the control means includes a first blower device coordinated to the first collection device and a second

blower device coordinated to the second collection device;
wherein a control signal delivered by the data processing
plant directs the corresponding blower device to generate of
a stream of air;
wherein this stream of air is directed against the transport
band in the region of the laundry piece disposed in a
collection device area of the transport band corresponding
to this blower device, such that the laundry piece is blown
into the respective collection container;
further comprising
a second registration device associated with the second
collection device;

19. The device according to claim 18 wherein the first
registering device is predisposed and preswitched to the
first collection device;
wherein the second registering device is predisposed and
preswitched to the second collection device;

20. The device according to claim 18 wherein the first
registering device is disposed following to the first
collection device;
wherein the second registering device is disposed following

to the second collection device;

21. The device according to claim 17 wherein the transport device includes a supply device for transporting the laundry pieces to the recognition device);

further comprising

a feed device of the supply device being such predisposed that a predetermined number of laundry pieces with a mutual distance not falling below a predetermined minimum value and/or a not lower time interval is transferable by the feed device to the supply device;

wherein the feed device includes a first transport band exhibiting at least individual compartments,

wherein the first transport band is disposed such that the contents of the first transport band can be emptied onto a transport band leading to the recognition device;

wherein the feed device includes a funnel, wherein the contents of the funnel is to be emptied onto the transport band leading to the recognition device;

wherein the funnel is furnished with a flap floor, wherein the flap floor is flappable open and flappable closed such that laundry pieces falling out of the funnel are transferred to the recognition device in each case with a

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mutual distance not falling below a predetermined minimum measure and/or a time interval not falling below a predetermined minimum measure;
wherein the flap floor is formed from a plurality of flap parts.

22. The device according to claim 21 further comprising a second funnel;
a second flap floor associated with the second funnel, wherein the second flap floors of the second funnel is only jointly flappable open and only jointly flappable closed together with the first flap floor of the first funnel.
further comprising
a first sensor device for recognition of a predetermined number or volume of laundry pieces present within the first funnel;
a second sensor device for recognition of a predetermined number or volume of laundry pieces present within the second funnel;

23. A method for sorting of laundry pieces comprising disposing a transport device within reach of a recognition device and in a delivery relationship to a plurality of

collection devices;

recognizing different types of laundry pieces with the recognition device;

delivering a data signal corresponding to a certain laundry piece from the recognition device to a data processing plant;

processing the data signal received from the recognition device in the data processing plant;

registering the certain laundry piece disposed in the transport device with a register device predisposed to the plurality of collection devices;

generating a corresponding register signal associated with the registration of the laundry piece in the register device;

sending the register signal from the register device to the data processing plant;

processing the register signal associated with the certain piece of laundry together with the data signal corresponding to the certain piece of laundry in the data processing plant to a control signal;

selecting predetermined collection devices in the data processing plant depending on the data signal;

controlling a delivery of the certain laundry piece

coordinated to the data signal to a predetermined one of the plurality of collection devices;
employing the control signal for controlling the predetermined one of the plurality of collection devices for receiving of the certain laundry piece corresponding to the control signal;
transferring the certain laundry piece from the recognition device to the predetermined one of the plurality of collection devices;
receiving the certain laundry piece in the predetermined one of the plurality of collection devices;

24. The method according to claim 23 further comprising
including a transport band in the transport device;
disposing the plurality of collection devices along the transport band in a transport direction;
coordinating a blower device to one of the plurality of the collection device;
connecting the blower device to the data processing plant for controlling the blower device;
furnishing each one of the plurality of collection devices with a register device;
delivering a control signal to the data processing plant for

directing the corresponding blower device to generate a stream of air;

directing this stream of air against the transport device in the region of the certain laundry piece disposed in the collection device area corresponding to this blower device; blowing the certain laundry piece into the predetermined collection container.

25. The method according to claim 23 further comprising predisposing and preswitching the registering device relative to the predetermined collection device.

26. The device according to claim 23 further comprising post disposing and postswitching the register device behind the predetermined collection device.

27. The device according to claim 23 further comprising furnishing a supply device for transporting of laundry pieces to the recognition device; predisposing a feed device of the supply device such that a predetermined number of laundry pieces with a mutual distance not falling below a predetermined minimum value and/or a not lower time interval is transferable to the

supply device;
furnishing a first transport band exhibiting at least individual compartments to the feed device;
emptying a contents of a first transport band onto a transport band leading to the recognition device;
furnishing at least one funnel to the feed device;
emptying a contents of the funnel onto the transport band leading to the recognition device;
furnishing the funnel with a flap floor;
flipping open and flipping closed the flap floor such that laundry pieces falling out of the funnel are transferred to the recognition device in each case with a mutual distance not falling below a predetermined minimum measure and/or a time interval not falling below a predetermined minimum measure.

28. The device according to claim 23 further comprising employing and disposing several funnels each furnished with a flap floor;
only jointly flipping open and only jointly be flipped closed the flap floors of all funnels;
furnishing a sensor device for recognition of a predetermined number or volume of laundry pieces within each

~~disposing the sensor device at each flap part for recognition of a predetermined number or volume of laundry pieces on each flap part.~~

add C3

Add D_1

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